



Form PTO-1449

**INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION**  
(Use several sheets if necessary)

Docket Number Optional  
03768/09323 (14586)

Application Number  
09/745,499

Applicant  
Anderson, et al

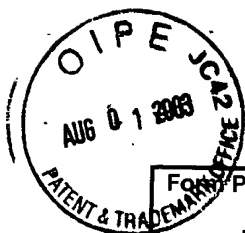
Filing Date  
12/20/00

Examiner  
Unknown

Group Art Unit  
Unknown

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	Translation	
						YES	NO
★	DE 2625176 B2	12/08/77	Bayer	C11D	17/04		
	DE 2838523 A1	03/20/80	gleich Anmelda	A47K	3/00		
	EP 0080382 A2	06/01/83	Minto, et al	D04H	1/56		
	EP 0259113 B1	10/31/90	Ranade	A61K	9/22		
	EP 0265906 B1	04/19/95	Shioya, et al	A61F	13/00		
	EP 0280571 B1	04/08/93	Oren, et al	A61K	9/22		
	EP 0285209 B1	05/05/93	Karowski, et al	A01N	37/34		
	EP 0290676 B1	08/17/94	Oakes, et al	C09D	13/00		
	EP 0351580 B1	05/12/93	Sakamoto, et al	A61K	9/22		
	EP 0351907 A2	01/24/90	Bargery, et al	A01N	25/34		
	EP 0407943 A1	01/16/91	Komatsukzaki, et al	A61F	13/00		
	EP 0518445 B1	04/17/96	De Jong, et al	A23L	3/3571		
	EP 0537774 B1	01/07/98	Imazato, et al	A61K	6/083		
	EP 0552151 B1	03/05/97	Vaughn, et al	A61K	31/74		
	EP 0565301 B1	02/10/99	Umemoto, et al	A61K	47/48		
	EP 0600004 B1	12/02/98	Tseng, et al	A46B	11/00		
	EP 0677296 A2	10/18/95	Fujita	A61L	2/20		
	EP 0761243 A1	03/12/97	Fan	A61L	29/00		
	EP 0838224 A2	04/29/98	Tanihara, et al	A61K	47/48		
	EP 0852148 A1	07/08/98	Levy, et al	A61L	15/46		
	EP 0858810 A2	08/19/98	Askill, et al	A61L	25/00		
	EP 0861659 A1	09/02/98	Smith, et al	A61K	9/32		
	EP 0866103 A1	09/23/98	Hamade, et al	C09D	5/14		
	EP 0875146 A1	11/04/98	Burrell, et al	A01N	59/16		
	EP 0890336 A1	01/13/99	Guasch Pubill	A47L	13/17		
	FR 2431570	02/15/80	Pin	D21H	5/22		
	GB 2211092 A	06/28/89	Fellows	A01N	25/34		X
	WO 89/05093	06/15/89	Fellows	A01N	25/34		
	WO 91/03938	04/04/91	Sze, et al	A01N	25/24		
	WO 92/22221	12/23/92	De Jong, et al	A23L	3/3571		
	WO 94/26317	11/24/94	Malchesky, et al	A61L	2/16		
	WO 95/13704	05/26/95	Burrell, et al	A01N	59/16		
	WO 96/11666	04/25/96	Masterman, et al	A61K	7/16		
	WO 96/40361	12/19/96	Ling, et al	A61M	39/16		
	WO 98/24890	06/11/98	Echigo, et al	C12N	9/02		X
✓	WO 98/44962	10/15/98	Khan, et al	A61L	25/00		



Form PTO-1449

**INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION**  
(Use several sheets if necessary)

Docket Number Optional  
03768/09323 (14586)

Application Number  
09/745,499

Applicant  
Anderson, et al

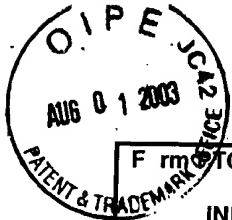
Filing Date  
12/20/00

Examiner  
Unknown

Group Art Unit  
Unknown

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

1	International Search Report dated 04/23/01 for International Application No. PCT/US00/34932.
2	International Search Report dated 04/18/01 for International Application No. PCT/US00/34930.
3	Dialog Abstract 00423532/7 © 1998 of Japanese Patent JP 8205762A published 08/13/96 entitled Antimicrobial functional sheet for preserving animal protein.
4	Dialog Abstract 008079373/7 © 1998 of Japanese Patent JP 1257124A published 10/13/89 entitled Antibiotic aluminosilicate - obtd. by ion exchange of ions in aluminosilicate to alkaline earth or manganese ions.
5	Dialog Abstract 009133362 © 1999 of EP 497350A1 published 08/05/92 entitled Crystal growth on nitride semiconductor having nitride buffer layer for improved crystallinity of semiconductor growth giving improved electrical performance.
6	Dialog Abstract 011141997 © 1999 of CN 1080833A published 01/19/94 entitled Wet toilet paper and preparing method thereof.
7	Dialog Abstract 008146353 © 1999 of Japanese Patent JP 1311008A published 12/15/89 entitled Antibiotic and antifungal compsn. - comprises zeolite contg. antibiotic metal ion and resin e.g. acryl for processing.
8	Dialog Abstract 01824797/7 © 1998 of US 4,882,167 published 11/21/89 entitled Dry direct compression compositions for controlled release dosage forms [matrix of hydrophobic carbohydrate polymer, digestive difficulty soluble wax, fatty acid or neutral lipid.]
9	Dialog Abstract 004062594 © 1999 of DE 3305265A published 8/16/84 entitled Hygienic toilet seat cover for one-time use - comprises piece of crepe toilet paper cut to shape of seat and provided with self-adhesive strips for attachment to seat.
10	WPI Acc No. 97-200913/199718 Abstract of US Patent 5118509A entitled Inducing skin tolerance to sensitising drug - by continuously and co-extensively administering drug with corticosteroid, preferably hydrocortisone, to selected site.
11	Dialog Abstract 002274528 © 1999 of DE 2813421A published 10/4/79 entitled Perforated multiple crepe paper and tissue mat assembly - sprayed with antimycotic disinfectant and supported on abrasion-resistant backing.
12	Dialog Abstract 05750225/9 © 1999 entitled New Antimicrobial Agent to be Included in stainless steel products.
13	Dialog Abstract 00365165/7 © 1998 of Japanese Patent JP 7123963A published 5/16/95 entitled Antimicrobial water absorbing sheet.
14	Dialog Abstract 00162494/7 © 1998 of West German Patent EP 206285 published 6/27/85 entitled Filter cartridge for upgrading drinking water quality.
15	Dialog Abstract 008153158/7 © 1998 of Japanese Patent JP 1316303A published 12/21/89 entitled Hydrous antimicrobial agent - comprises inorganic carrier contg. antimicrobial agent and nonwoven fabric of e.g. polyester resin layer.
16	Abstract 009382194 of US Patent 5186927A published 2/16/93 entitled Antimicrobial compsn. for oral hygiene - comprises particles having an outer surface onto which antimicrobial agent has been adsorbed.
17	Derwent Abstract 010600920 © 1999 of Patent AU 9514811A published 1/25/96 entitled Antimicrobial laminate for bags for foodstuffs for gradual release - comprises substrate impervious to steam and pervious firm superposed through adhesive layer contg. polyallyl isothiocyanate cyclodextrin cpd.
18	Abstract 009382274 of US Patent 5187158A published 2/16/93 entitled New O-dihydropyridylcarbonyl prodrug derivs. of ribovarin-used for site specific and sustained delivery of antiviral agent to the brain, and is retained in the brain after oxidn. to quat. pyridinium form.
19	Abstract 009230315 of CA Patent 1307738C published 9/22/92 entitled Liposome(s) having out bilayer with asymmetric distribution - comprise ionisable lipid or ionisable protein, useful as a drug delivery systems.



Form 10-1449

**INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION**  
(Use several sheets if necessary)

Docket Number Optional  
03768/09323 (14586)

Application Number  
09/745,499

Applicant  
Anderson, et al

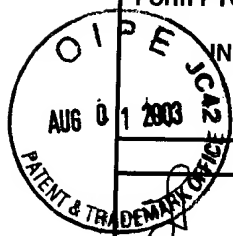
Filing Date  
12/20/00

Examiner  
Unknown

Group Art Unit  
Unknown

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

2	Abstract 008636625 of CA Patent 2020966A published 1/13/91 entitled Biocompatible film-forming topical delivery system - comprises active salt of carboxylic acid-functional polymer with therapeutic agent.
	Dialog Abstract 010620478 © 1999 of CA 2134498A published 11/26/95 entitled Cove base for building wall - has elongate flat plate containing antimicrobial agent released over time.
	Abstract 003667575 of DE 3134152A published 3/17/83 entitled Antimicrobial carrier esp. for delivery to bone - is metal or plastics coil opt. with polymer coating.
	Abstract 004653629 of EP 184629 A published 6/18/86 entitled Microbicidal tub for urine drainage bag - passively releases antimicrobial on emptying to prevent infection.
	Dialog Abstract 009588282 © 1999 of EP 558913 A1 published 9/9/93 entitled Two component minocycline controlled release delivery system - comprises initial loading of rapid release granules and sec. loading of blended polymer coated spherical granules.
	Dialog Abstract 011058050 © 1999 of EP 748634 A2 published 12/18/96 entitled Surgical implant, esp. for use as vascular prosthesis - produced from or comprising resorbable material contg. antimicrobial agent, esp. gentamycin crobefate.
	Abstract 004440566 © 1999 of JP 60181029 A published 9/14/85 entitled Sustained release drug. prepn. - involves mixing a e.g. peptide, protein, antimicrobial or antitumor drug with lactic acid (co) polymer.
	Abstract 008370474 © 1999 of JP 2180694 A published 7/13/90 entitled Contamination preventing system for sterile water producing system - includes container contg. gradual release alkali cpd. and having discharge opening dia. preventing contamination.
	Abstract 009176092 © 1999 of JP 4208205A published 7/29/92 entitled Sustained release antimicrobial allyl isothiocyanate compsn. - prepd. by dissolving allyl isothiocyanate in glycerine ester or high alcohol ester.
	Abstract 010615628 © 1999 of JP 8012511A published 1/16/96 entitled Prodn. of sustained-release antimicrobial agent used to maintain freshness of e.g. processed food - comprises dissolving volatile antimicrobial component in organic solvent, adding starch and removing solvent.
	Abstract 010853168 of JP 8165210 A published 6/25/96 entitled Prodn. of antimicrobial agents - involves radically polymerising poly(meth)acrylic acid ester cpds. in organic solvent contg. aq. soln. of silver, copper or zinc ions.
	Abstract of 010853169 of JP 8165211A published 06/25/96 entitled Prodn. of antimicrobial agents - copolymerising polyacrylic or polymethacrylic acid ester cpds. and silver, copper or zinc (meth) acrylic acid salts, inorganic solvent.
	Dialog Abstract 011029508 of JP 8277204A published 10/22/96 entitled Sustained release microorganism control prepn - prepd by coating liq drop contg microorganism control agent with hydrophobic until microparticle silicon oxide powder.
	Abstract 011665622 of JP 9315927A published 12/09/97 entitled Antimicrobial cosmetic - comprises water containing components released from copper or copper alloy at effective doses which give antimicrobial activity.
	Abstract 011393337 of Russian Patent RU 2071323C1 published 01/10/97 entitled Antiviral sustained release preparation for treating acute respiratory diseases and herpes - contg. salt based on adamantyl-methylamine cpd. and copolymer derived from vinyl alcohol and N-vinylamido-succinic acid.
	Abstract 007135943 of WO 8702576A published 05/07/87 entitled Vaginal delivery systems - consist of viscous emulsion with (non)lipoidal phases, which adheres to vaginal wall.
	Abstract 007673497 of WO 8807853A published 10/20/88 entitled Liposomal vesicles for sustained intraperitoneal delivery - comprise therapeutic agent encapsulated in phosphatidyl choline-contg. lipid vesicle.



Form PTO-1449

**INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION**  
(Use several sheets if necessary)

Docket Number Optional  
03768/09323 (14586)

Application Number  
09/745,499

Applicant  
Anderson, et al

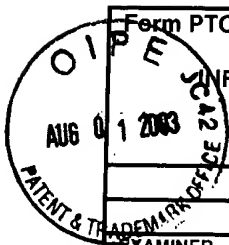
Filing Date  
12/20/00

Examiner  
Unknown

Group Art Unit  
Unknown

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

	Abstract 009122425 of WO 9211042 A1 published 07/09/92 entitled Compsns, for disinfecting contact lenses-comprising aq. hydrogen peroxide, and a hydrogen peroxide-reducing agent to enhance antimicrobial activity, from peroxidase.
	Abstract 009342695 of WO 93100115 A1 published 01/07/93 entitled Adhesive patch for controlled release of vapours to surroundings - useful for therapeutic agents, insecticides, insect repellants, perfumes, etc.
	Abstract 009382714 of WO 9302717 A1 published 02/18/93 entitled Adhesive prod. used as surgical or medical dressing - comprises emulsion adhesive contg. medicament, coated on support, giving good antimicrobial activity.
	Dialog Abstract 009440678 of WO 9306921 A1 published 04/15/93 entitled Particles with internal lyotropic liq. crystalline and lamellar surface phases-form stable dispersions useful for e.g. sustained drug delivery, antigen presentation, nucleic acid transport etc.
	Dialog Abstract 010298861 of WO 9513704 A1 published 05/26/95 entitled Material for sustained release of antimicrobial metal, esp. silver - has atomic disorder so that ions etc., are released into electrolytes at increased rate, useful e.g. for coating medical devices.
	Dialog Abstract 010426917 of WO 9524430 A2 published 09/14/95 entitled New block and graft copolymers - comprising pH-sensitive and temp. sensitive polymer components, useful for drug delivery for sustained and controlled release.
	Abstract Document No. 5595750 published 01/21/97 entitled Antimicrobial particles of silver and barium sulfate or zinc oxide.
	Abstract Document No. 5869073 published 02/09/99 entitled Antimicrobial liquid compositions and methods for using them.
	Dialog Abstract 010936562 © 1999 of WO 9628141A1 published 09/19/96 entitled Muco-adhesive granules contg carbomer and inert filler - for sustained release of pharmaceutical in gastro-intestinal tract.
	Dialog Abstract 011905997 © 1999 of WO 9824007A published 06/04/98 entitled Single line automated fluid delivering method for dental unit water line treatment - involves locking out operating control of consumable water or aqueous solution delivery device to prevent operation of device during antimicrobial flushing.
	Dialog Abstract 008128186 © 1999 of ZA 8809601A published 10/25/89 entitled Implants contg. antimicrobial agent for slow release in animals.
	Dialog Abstract 02495825/9 © 1999 entitled AK Steel signs pact for healthier coating.
	Publication by Wipex entitled Disinfectant Wipes with Indicator Stripes.
	Article published in Letters in Applied Microbiology 1993, Vol. 16 pages 173-177 entitled An in-use study of the relationship between bacterial contamination of food preparation surfaces and cleaning cloths.
	Article published in Journal of Applied Bacteriology 1990, Vol 68, page 271-278 entitled The survival and transfer of microbial contamination via cloths, hands and utensils.
	Article published in J Antibact. Antifungi Agents, Vol. 22, No. 9, page 531-536, 1994. entitled Antimicrobial Activities of Silver and Copper Ions.
	Article published by BF Goodrich in <a href="http://www.bfsolutions.com">http://www.bfsolutions.com</a> entitled Hycar Reactive Liquid Polymers - The Key To Building Superior Products.
	Article published by Sybron Chemicals, Inc. of Birmingham, NJ entitled XAMA-7 and Ionac Polyfunctional Aziridine
	Article adapted from Standard Methods for the Examination of Water and Wastewater (method 8167).
	Article published in Springer-Verlag Berlin Heidelberg New York 1980 by Erich Lueck entitled Antimicrobial Food Additives - Characteristics - Uses - Effects.
	Abstract of Article published in Hy-LiTE Data Logger Operators Manual by EM Science.



Form PTO-1449		Docket Number Optional 03768/09323 (14586)	Applicati n Number 09/745,499
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)		Applicant Anderson, et al	Filing Date 12/20/00
		Examiner Unknown	Group Art Unit Unknown
		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
EXAMINER	Abstract of Article published in Hy-LiTE by EM Science, entitled Hygiene Monitoring in Place.		
EXAMINER <i>J. Ukut</i>		DATE CONSIDERED <i>8/26/03</i>	
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.			